

Miami Dade College
Office of the Associate Provost of Academic Affairs

June 20, 2014

MEMORANDUM

TO: Lenore Rodicio
FROM: Beverly Moore-Garcia
SUBJECT: CURRICULUM REPORT #109

All curriculum items included in this report were presented and discussed at the June 10, 2014, College CASSC meeting. However due to lack of quorum, all curriculum requiring approval were placed in motion to be distributed for electronic voting. Approval of curriculum items is for offering at all campuses and centers, all off campus sites, at Honors level and through Distance Education

Informational Items

1. English Discipline

- State Mandated

Modify Placement Criteria

Effective Term: Spring 2014-2

Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Harry Hoffman/Michaela Tomova

Faculty:

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
ENC1101	English Composition I	3

2. MDC Foreign Languages Competency and Equivalence
(ATTACHMENT)

Administrator (s): William Soto

Faculty: Leon Palombo

Curriculum Requiring Approval

3. School of Engineering and Technology

Program Modifications

Program Title: Electronics Engineering Technology

Degree Type: Bachelor of Science (BS)

Effective Term: Spring 2014-2

Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones
Faculty: Raef Yassin

Motion: Approve BS-EET program modifications of deleting ETI3704.

- **Delete Existing Course**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
ETI3704	Industrial Safety in Electronics Engineering Technology	3

Motion: Approve BS-EET program modifications of adding CET4663.

- **Add New Course**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CET4663	Electronic Security	3	1, 2, 3, 5, 6, 7/Ctrs.	2014-2

Course Description: This is an upper division course for students who are majoring in electronics engineering technologies. The student will learn information and communication security principles for computer systems and networks including authentication, protection, security models, cryptography, applications, and public policy, along with case studies. (3 hr. lecture) Pre-requisites: CET2123C, and COP2270.

Curriculum Action Rationale: New course request for the BS-EET program.

- **Course Modifications**

Effective Term: Spring 2014-2
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones
Faculty: Raef Yassin

Motion: Approve 16 revised engineering courses that include: modifying titles, descriptions, and pre-requisites.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
CET1110C	Digital Circuits	4
CET2123C	Microprocessors	4
CET3126C	Advanced Microprocessors	4
CET4190C	Applied Digital Signal Processing	4
EET1015C	Direct Current	4
EET1025C	Alternating Current Circuits	4
EET1141C	Electronic 1	4
EET2101C	Electronics 2	4
EET2323C	Analog Communications	4
EET2351C	Digital and Data Communications	4
EET3716C	Advanced Systems Analysis	4

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
EET4730C	Feedback Control Systems	4
EET4732C	Signals and Systems	4
EET4480C	Applied Robotics	4
ETS3543C	Programmable Logic Controllers	4
ETS2542C	Programmable Logic Controllers 1	3

Motion: Add CET1110C as an alternative pre-requisite to ETS2542C. The Engineering Discipline Committee has determined that either EET1141C as a pre/co-requisite or CET1110C as a pre-requisite provides the technical background and foundational knowledge and skills necessary to handle the associated tasks required in ETS2542C. No other changes requested.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
ETS2542C	Programmable Logic Controllers 1	3

Miami Dade College
College-wide CASSC Meeting – June 10, 2014
CURRICULUM REPORT # 109

Informational Items – No Voting Required

4. English Discipline

• **State Mandated**

Modify Placement Criteria

Effective Term: Spring 2014-2

Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Harry Hoffman/Michaela Tomova

Faculty:

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
ENC1101	English Composition I	3

5. MDC Foreign Languages Competency and Equivalence (ATTACHMENT)

Administrator (s): William Soto

Faculty: Leon Palombo

Curriculum Requiring Approval

6. School of Engineering and Technology

Program Modifications

Program Title: Electronics Engineering Technology

Degree Type: Bachelor of Science (BS)

Effective Term: Spring 2014-2

Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones

Faculty: Raef Yassin

Motion: **Approve BS-EET program modifications of deleting ETI3704.**

• **Delete Existing Course**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
ETI3704	Industrial Safety in Electronics Engineering Technology	3

Motion: **Approve BS-EET program modifications of adding CET4663.**

- **Add New Course**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CET4663	Electronic Security	3	1, 2, 3, 5, 6, 7/Ctrs.	2014-2

Course Description: This is an upper division course for students who are majoring in electronics engineering technologies. The student will learn information and communication security principles for computer systems and networks including authentication, protection, security models, cryptography, applications, and public policy, along with case studies. (3 hr. lecture) Pre-requisites: CET2123C, and COP2270.

Curriculum Action Rationale: New course request for the BS-EET program.

- **Course Modifications**

Effective Term: Fall (2014-1)

Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones

Faculty: Raef Yassin

Motion: **Approve 16 revised engineering courses that include: modifying titles, descriptions, and pre-requisites.**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
CET1110C	Digital Circuits	4
CET2123C	Microprocessors	4
CET3126C	Advanced Microprocessors	4
CET4190C	Applied Digital Signal Processing	4
EET1015C	Direct Current	4
EET1025C	Alternating Current Circuits	4
EET1141C	Electronic 1	4
EET2101C	Electronics 2	4
EET2323C	Analog Communications	4
EET2351C	Digital and Data Communications	4
EET3716C	Advanced Systems Analysis	4
EET4730C	Feedback Control Systems	4
EET4732C	Signals and Systems	4
EEI4480C	Applied Robotics	4
ETS3543C	Programmable Logic Controllers	4
ETS2542C	Programmable Logic Controllers 1	3

Motion: Add CET1110C as an alternative pre-requisite to ETS2542C. The Engineering Discipline Committee has determined that either EET1141C as a pre/co-requisite or CET1110C as a pre-requisite provides the technical background and foundational knowledge and skills necessary to handle the associated tasks required in ETS2542C. No other changes requested.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
ETS2542C	Programmable Logic Controllers 1	3

Bachelor of Science with a major in Electronics Engineering Technology Program Modification and Rationale

1. **Replace/Delete:** EET3704 Industrial Safety
Add: CET4663 Electronic Security (**New Course**).
 - **Rationale:** Safety topics relevant to the discipline are integrated into the electronics technology courses as relevant and appropriate to the content. Security is a major issue in the discipline and in industry today requiring adequate attention in the curriculum and the coverage provided by its own course.
 - **Note:** *No Change to General Education, Common Prerequisites, or Lower Division Technology/ Technology Electives Courses.*

CURRENT

AREA 12. UPPER DIVISION REQUIREMENTS (47.00 credits)

<input type="checkbox"/>	CET 3126C	Advanced Microprocessors	4	Pre-Req CET2123C
<input type="checkbox"/>	CET 4190C	Applied Digital Signal Processing	4	Pre-Req CET3126C, EET4732C
<input type="checkbox"/>	EET 3158C	Linear Integrated Circuits and Devices	4	Pre-Req EET2101C
<input type="checkbox"/>	EET 3716C	Advanced System Analysis	4	Pre-Req EET2101C, Co-Req MAC2312
<input type="checkbox"/>	EET 4165C	Senior Design 1	3	Department approval required
<input type="checkbox"/>	EET 4166C	Senior Design 2	3	Department approval required
<input type="checkbox"/>	EET 4730C	Feedback Control Systems	4	Pre-Req EET3158C
<input type="checkbox"/>	EET 4732C	Signals and Systems	4	Pre-Req MAC2311
<input type="checkbox"/>	ETI 3671	Technical Economic Analysis	3	Pre-Req MAC1105
<input type="checkbox"/>	ETI 3704	Safety Issues in Electronics Engineering Technology	3	REPLACE/DELETE FROM ODESSY
<input type="checkbox"/>	ETI 4480C	Applied Robotics	4	Pre-Req CET3126C
<input type="checkbox"/>	ETP 33240	Power Systems	3	Pre-Req EET1025C
<input type="checkbox"/>	ETS 3543C	Programmable Logic Controllers	4	Pre-Req CET2123C

PROPOSED

AREA 12. UPPER DIVISION REQUIREMENTS (47.00 credits)

<input type="checkbox"/>	CET 3126C	Advanced Microprocessors	4	Pre-Req CET2123C
<input type="checkbox"/>	CET 4190C	Applied Digital Signal Processing	4	Pre-Req COP2270, EET2323C or EET2351C, EET4732C
<input type="checkbox"/>	CET 4663	Electronic Security	3	Pre-Req CET 2123C, COP 2270 (NEW)
<input type="checkbox"/>	EET 3158C	Linear Integrated Circuits and Devices	4	Pre-Req EET2101C
<input type="checkbox"/>	EET 3716C	Advanced System Analysis	4	Pre-Req EET1025C, MAC2312
<input type="checkbox"/>	EET 4165C	Senior Design 1	3	Department approval required
<input type="checkbox"/>	EET 4166C	Senior Design 2	3	Department approval required
<input type="checkbox"/>	EET 4730C	Feedback Control Systems	4	Pre-Req EET3158C
<input type="checkbox"/>	EET 4732C	Signals and Systems	4	Pre-Req MAC2311
<input type="checkbox"/>	ETI 3671	Technical Economic Analysis	3	Pre-Req MAC1105
<input type="checkbox"/>	ETI 4480C	Applied Robotics	4	Pre-Req CET2123C
<input type="checkbox"/>	ETP 33240	Power Systems	3	Pre-Req EET1025C
<input type="checkbox"/>	ETS 3543C	Programmable Logic Controllers	4	Pre-Req CET 1110C

2. Course Modifications

- **Rationale:** Improves the flow and structure of the program.
- **Note:** *Courses have been individually submitted.*

Course	Title	Changes
CET1110C	Digital Circuits	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Competencies
CET2123C	Microprocessors	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
CET3126C	Advanced Microprocessors	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Competencies
CET4190C	Applied Digital Signal Processing	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
CET4663	Electronic Security	<ul style="list-style-type: none"> • New Course
EET1015C	Direct Current Circuits	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Competencies
EET1025C	Alternating Current Circuits	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
EET1141C	Electronics 1	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
EET2101C	Electronics 2	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Competencies
EET2323C	Analog Communications	<ul style="list-style-type: none"> • Description to conform to SLO format • Competencies
EET2351C	Digital and Data Communications	<ul style="list-style-type: none"> • Description to conform to SLO format • Competencies
EET3716C	Advanced Systems Analysis	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
EET4730C	Feedback Control Systems	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
EET4732C	Signals and Systems	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies

ETI4480C	Applied Robotics	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies
ETS3543C	Programmable Logic Controllers	<ul style="list-style-type: none"> • Description to conform to SLO format • Minimum Grade of "C" for prerequisites • Pre/Co-Requisites • Competencies

CURRENT

Lower Division Technology Core– 38 Credits Required

CET 1110C	Digital Circuits	4	Pre/Co-Req MAC1105
CET 2123C	Microprocessors	4	Pre-Req CET1110C, MAC1147
COP 2270	"C" for Engineers	4	Pre-Req CGS1060
EET 1015C	Direct Current Circuits	4	Pre/Co-Req MAC1105
EET 1025C	Alternating Current Circuits	4	Pre-Req EET1015C; Co-Req MAC1147
EET 1141C	Electronics I	4	Pre-Req EET1025C
EET 2101C	Electronics II	4	Pre-Req EET1141C
EET 2323C	Analog Communications	4	Co-Req EET1141C
MAC1140	Pre-Calculus Algebra	3	Pre-Req MAC1105
MAC1114	Trigonometry	3	Pre-Req MAC1105 or MAC1140

Lower Division Technical Electives – 8 Credits Required

CET 2142C	Advanced Digital Circuits	4	Pre-Req CET1110C
EET 2351C	Electronic Communications 2 – Digital	4	Pre-req EET2305G

PROPOSED

Lower Division Technology Core– 38 Credits Required

CET 1110C	Digital Circuits	4	Pre-Req EET1015C, MAC1105; Pre/Co-Req COP2270
CET 2123C	Microprocessors	4	Pre-Req CET1110C, COP2270
COP 2270	"C" for Engineers	4	Pre-Req CGS1060
EET 1015C	Direct Current Circuits	4	Pre/Co-Req MAC1105
EET 1025C	Alternating Current Circuits	4	Pre-Req EET1015C, MAC1114 or MAC1147
EET 1141C	Electronics I	4	Pre-Req EET1025C, MAC1114 or MAC1147
EET 2101C	Electronics II	4	Pre-Req EET1141C
EET 2323C	Analog Communications	4	Co-Req EET1141C
MAC1140	Pre-Calculus Algebra	3	Pre-Req MAC1105
MAC1114	Trigonometry	3	Pre-Req MAC1105 or MAC1140

Lower Division Technical Electives – 8 Credits Required

CET 2142C	Advanced Digital Circuits	4	Pre-Req CET1110C
EET 2351C	Digital and Data Communications	4	Pre-Req CET2123C

- **New College Credit Certificate**

Degree Title: Network Server Administration
Degree Type: College Credit Certificate (C.C.C.)
Number of Credits: 24
Effective Term: Spring 2014-2
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones
Faculty: Pauline Chohonis

Motion: **Approve the new Network Server Administration College Credit Certificate.**

EXECUTIVE SUMMARY

Network Server Administration College Credit Certificate CIP 0511100112; SOC 15-1142

The Network Server Administration College Credit Certificate program is designed to prepare students with a foundation in how to implement, support, and maintain Microsoft-based servers and clients. Graduates are prepared for employment as entry-level network administrators, network technicians, information technology support specialists, network coordinators and as candidates for industry certifications.

At the December 4, 2013 meeting of the EnTec Technology Advisory Committee, industry members unanimously voted to support a Microsoft college credit certificate to prepare students for Microsoft certifications.

The certificate belongs to the Network Systems Technology associate in science program CIP 1511100111 (formerly Network Services Technology)

The **state framework** which this certificate addresses:

Program Title:	Network Server Administration
Career Cluster:	Information Technology
Program Length:	24 credit hours
SOC Code:	15-1142 – Network and Computer Systems Administrators

Required information (responses are highlighted in yellow)

1. Does this Associate/Certificate lead to an Industry Certification(s)?
 - **If yes, provide certification name and certifying agency and proceed to Executive Summary.**
 - CompTIA Network +
 - Microsoft Certified Solutions Associate (MCSA) Windows 8.1
 - Microsoft Certified Solutions Associate (MCSA) Windows Server 2012
 - If no, please contact the Executive Director for Workforce Education.

In an Executive Summary provide the following information:

1. Why should Miami Dade College seek the requested Associate/Certificate program.
 - **The certificate provides a completion point on students' path to the Associate in Science degree in Networking Systems Technology.**
 - **A CCC provides students with an immediate credential for employment which can be completed in less than one year.**
2. Identified business/industry need for the program (Letters of Support, if applicable).
 - **Projections show 22.2% growth in this occupation category between 2013 and 2021, with 386 new jobs and 615 total job openings** at an average hourly salary of \$37.96. See Needs Analysis section for details.

Source: <http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections>

FLORIDA JOBS by Occupation							
Miami-Dade County							2013
							Average
Occupation		Employment		2013 - 2021			Hourly
Code	Title	2013	2021	Growth	Percent Growth	Total Job Openings*	Wage (\$)**
151142	Network and Computer Systems Architects and Admins.	1,741	2,127	386	22.2	615	37.96

Figure 1 <http://www.bls.gov/ooh/computer-and-information-technology/mobile/network-and-computer-systems-administrators.htm>

3. Occupations for which the program would train and the corresponding SOC Code(s).
 - SOC 15-1142 Network and Computer Systems Administrators; Sample job titles: Wide Area Network Administrator, Network Security Administrator, Network Coordinator
Sample of reported job titles: Systems Administrator, Network Administrator, Network Engineer, Information Technology Specialist (IT Specialist), Local Area Network Administrator (LAN Administrator), Information Technology Manager (IT Manager), Information Technology Director (IT Director), Systems Engineer, Network Manager, Network Specialist <http://www.onetonline.org/link/summary/15-1142.00>
4. For new CCC or ATD programs, identify the parent AS/AAS degree program.
 - 25062 - Networking Services Technology (A.S.)

Employment sources:

<http://www.bls.gov/soc/2010/soc151142.htm>

<http://www.careeronestop.org/>

<http://data.bls.gov/search/query/results?cx=013738036195919377644%3A6ih0hfrgl50&q=15-1142+inurl%3Abls.gov%2Ffoo%2F>

<http://www.bls.gov/ooh/computer-and-information-technology/mobile/network-and-computer-systems-administrators.htm>

COLLEGE CREDIT CERTIFICATE
PROGRAM OF STUDY: NETWORK SERVER ADMINISTRATION –
MICROSOFT (CIP 0511100112)
EFFECTIVE TERM: Fall 2014 (2014-1)

I. GENERAL EDUCATION REQUIREMENTS

1. MAJOR COURSE REQUIREMENTS (24.00 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[CTS 2153](#) - Supporting Windows Users & Applications (4 credits)

[CTS 2303](#) - Implementing Directory Services (4 credits)

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

[CTS 2334](#) - Planning and Administering Windows Servers (4 credits)

- **Existing Certificate Modification**

Degree Title: CISCO Certified Network Associate (CCNA)
Degree Type: College Credit Certificate (C.C.C.)
Number of Credits: 16
Effective Term: Spring 2014-2
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones
Faculty: Pauline Chohonis

Motion: **Approve modifications to adding existing course CTS1650 to the CISCO CCNA College Credit Certificate.**

Add Existing Course

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
CTS1650	CCNA1: Cisco Fundamentals	4

Executive Summary – Modifications to Program

Program title: CISCO CCNA

Program Code: 66050

Modification: **State Mandated Changes:**

- Program Length – 16 credit hours
- Add CTS1650 CCNA 1: Cisco Fundamentals (4 credits)

Effective Term: Fall 2014-1

Rationale:

State Mandated Program Length Change from 12 hours to 16 hours

In order to accommodate this change, EnTec is adding CTS1650 CCNA1: Cisco Fundamentals, which is the first of four courses required to complete the vendor certification exam preparation.

COLLEGE CREDIT CERTIFICATE
PROGRAM OF STUDY: CISCO CERTIFIED NETWORK ASSOCIATE
(CCNA) (66050)
EFFECTIVE TERM: Fall 2014 (2014-1)

I. GENERAL EDUCATION REQUIREMENTS

1. MAJOR COURSE REQUIREMENTS (12.00 credits)

[CTS 1650](#) - Networking Fundamentals
(4 credits) **ADD EXISTING COURSE**

[CTS 1651](#) - Routing Protocols and Concepts (4
credits)

[CTS 2652](#) - LAN Switching and Wireless
Networking (4 credits)

[CTS 2653](#) - Accessing the WAN (4 credits)

- **Course Modifications**

Effective Term: Spring 2014-2

Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, and Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Billy Jones

Faculty: Pauline Chohonis

Motion: **Approve 11 revised technology courses that include: modifying titles, descriptions, and pre-requisites.**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>
CTS1650	CCNA 1: CISCO Fundamentals	4
CTS1651	CCNA 2: Routing and Switching	4
COP2654	iPhone Application Development 1	4
COP2658	iPhone Application Development 2	4
COP2660	Android Application Development 1	4
CTS1800	Introduction to Web Page Design	4
CTS2303	Configuring Windows Servers	4
CTS2306	Administering Windows Servers	4
CTS2334	Configuring Advanced Windows Services	4
CTS2652	CCNA 3: Advanced Routing and Switching	4
CTS2653	CCNA 4: Connecting Networks	4

Summary of EnTec Technology Course Modifications



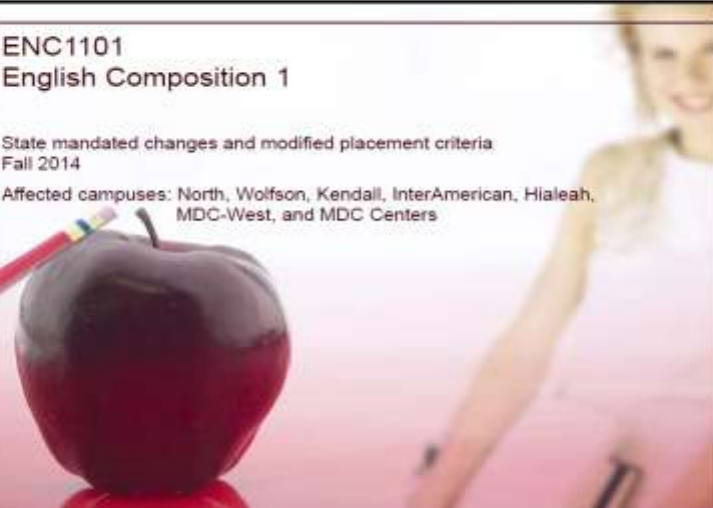
<u>CISCO CCNA CCC Course Modifications</u>		
<u>ITEM</u>	<u>ACTION</u>	<u>SUMMARY</u>
CTS 1650 CCNA 1: Cisco Fundamentals	Change Existing Course	Change course title and modify competencies to align with vendor certification exam requirements. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
CTS 1651 CCNA 2:Routing and Switching	Change Existing Course	Modifying course title, description, and competencies to align with revised vendor certification exam requirements. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
CTS 2652 CCNA 3: Advanced Routing and Switching	Change Existing Course	Modifying course title, description, and competencies to align with revised vendor certification exam requirements. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
CTS 2653 CCNA 4: Connecting Networks	Change Existing Course	Modifying course title and competencies to align with revised vendor certification exam requirements. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
<u>Computer Programming – Mobile Applications Course Modifications</u>		
COP 2654 iPhone Application Development 1	Change Existing Course	1. Course title change to "iPhone Application Development" from "Objective C Programming" 2. Modified course description to better reflect the content of the course. 3. Add COP1334 OR COP1332 as prerequisites and remove COP2800 as a prerequisite. C++ or VB.Net are more appropriate preparation for Objective C than Java is. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
COP 2658 iPhone Application Development 2	Change Existing Course	1. Title change from "iPhone Application Development" to "iPhone Application Development 2". 2. Course description modified to include "iOS" information. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
COP 2660 Android Application Development 1	Change Existing Course	Add COP1332 as an alternative prerequisite WR CI C CC Effective Semester: FALL TERM 2014



Networking Services Technology A.S. Course Modifications

CTS 2303 Configuring Windows Servers	Change Existing Course	Course modifications to align with revised Microsoft certification requirements: 1. Course title change from "Implementing Directory Services" to "Configuring Windows Servers" 2. Modified prerequisites to "recommended preparation" 3. Modified competencies to align with Microsoft cert exam objectives WR CI C CC Effective Semester: FALL TERM 2014
CTS 2306 Administering Windows Servers	Change Existing Course	Course modifications to align with revised Microsoft certification requirements: 1. Course title change from "Implementing a Networking Infrastructure" to "Administering Windows Servers" 2. Modified prerequisites to "recommended preparation" 3. Modified competencies to align with Microsoft cert exam objectives WR CI C CC Effective Semester: FALL TERM 2014
CTS 2334 Configuring Advanced Windows Services	Change Existing Course	Course modifications to align with new vendor certification requirements 1. Course title change to "Configuring Advanced Windows Services" 2. Deleted prerequisites as no longer relevant to modified course 3. Modified competencies to align with Microsoft exam objectives WR CI C CC Effective Semester: FALL TERM 2014

Internet Services Technology A.S. Program Course Modification

CTS 1800 Introduction to Web Page Design	Change Existing Course	Update competencies to address gaps with the program state frameworks. No other changes requested. WR CI C CC Effective Semester: FALL TERM 2014
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 	<p>ENC1101 English Composition 1</p> <p>State mandated changes and modified placement criteria Fall 2014</p> <p>Affected campuses: North, Wolfson, Kendall, InterAmerican, Hialeah, MDC-West, and MDC Centers</p>  <p>Campus Academic and Student Support Council Tuesday, June 10 2014</p>
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 	<p>ENC1101 course description This is a required general education core course in college-level writing. The students will learn to compose essays and other works using various methods of development. This course fulfills the Gordon Rule writing requirement and must be completed with a grade "C" or better. Pre-requisites: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption). (3 hr. lecture)</p> <p>ENC1101 eligibility exemption In accordance with Section 1008.30, F.S., a student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the United States Armed Services shall not be required to take the common placement test and shall not be required to enroll in developmental education instruction in a Florida College System institution.</p> <p>College ready cut scores Students earning scores less than those listed below shall enroll in developmental education instruction in the area of the deficiency: Reading - 106 Writing - 103</p> <p>Campus Academic and Student Support Council Tuesday, June 10 2014</p>
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Foreign Language Competency and Equivalence

The State of Florida requires that all students demonstrate competency in a foreign language. Rule 6A-10.02412 of the State board of Education defines foreign language competency as:

1. Successful completion of 2 credits in 1 foreign language at the secondary level
- OR**
2. Successful completion of a postsecondary course at the elementary 2 level in one foreign language (1121) or American Sign Language (1150C)

MDC currently offers the following languages at the elementary 2 level:

- Chinese (Mandarin) – CHI1121
- French – FRE1121
- German – GER1121
- Italian – ITA1121
- Japanese – JPN1121
- Portuguese – POR1121
- Russian – RUS1121
- Spanish – SPN1121
- American Sign Language – ASL1150C

OR

3. Students may demonstrate completion of the elementary 2 level through standardized examinations that document the required foreign language competency. For more information, please visit the College's [Credit-by-Exam](#) website:

Awarded credit based on the College's approved course equivalents will appear on the student's permanent record and on the student's official College transcript as earned credit only. There will be no indication of grades or quality points and duplicate credit is not awarded. Students may earn college credit based on obtaining a specified minimum score on nationally standardized general or subject area examinations.

Miami Dade College uses the minimum scores, credits, and guidelines for awarding credit for exams established by the State of Florida's Articulation Coordinating Committee (ACC). For additional information please visit the [Accelerated Credit Options](#) web page from Florida Virtual Campus website and click on [Credit by Exam Scores and Credit Awarded](#) (PDF).

MDC Foreign Language Competency and Equivalence

Note:

- A student who completed ONLY 1 credit of a foreign language in high school must successfully complete the 1121 course in the same foreign language or pass one of the approved equivalency exams.
- A student who demonstrates proficiency in a native language other than English is exempt (for e.g., by providing a validated high school transcript demonstrating completion in the native language).
- An EAP student who has successfully satisfied the Level 6 MDC EAP (English for Academic Purposes) program requirements by courses or placement test has met the foreign language competency.

Additional Information:

- In addition to meeting the Foreign Language Competency (FLC) AA graduation requirement, students transferring to a four-year institution should verify the foreign language requirements with the receiving institution. Specialized programs at the receiving (transfer) institution may require intermediate level foreign language competency and/or may not accept ASL or EAP/ESL.
- Based on the above information, the following statement should appear on the DEGREE AUDIT, PATHWAY TEMPLATE, AND PROGRAM/CURRICULUM GUIDE:

Foreign Language Competence (FLC):

Students must demonstrate Foreign Language Competence (FLC) by:
(a) successfully completing the elementary 2 level (i.e., 2 credits [2 years] of secondary/high school level) or postsecondary/college level equivalent in one (1) foreign language or American Sign Language, OR
(b) successfully completing a standardized examination that documents the required foreign language competence.

Students who demonstrate proficiency in a native language other than English are exempt. For more information, please visit the MDC Credit-by-Exam website or contact the MDC World Languages department.

Foreign Language Competency and Equivalence
Mandated by the State of Florida

Foreign Language Competency and Equivalence

The State of Florida requires that all students demonstrate competency in a foreign language. Beginning Fall 2014, all A.A. degree seeking students must demonstrate proficiency in a foreign language. Rule 6A-10.02412 of the State Board of Education defines foreign language competency as:

1. Successful completion of 2 credits in 1 foreign language (this includes American Sign Language) at the secondary level

OR

2. Successful completion of a postsecondary course at the elementary 2 level in one foreign language (1121) or American Sign Language (1158C)

How does a student demonstrate competency in a foreign language at MDC?

- Two high school credits of a foreign language (same language)
- Successful completion of a foreign language at the 1121 level
- Standardized examination that documents the required foreign language competency (e.g., CLEP)
- EAP students who successfully complete the EAP program (Level 6)
- Students who provide documentation of proficiency in a native language other than English (e.g., validated high school transcript)

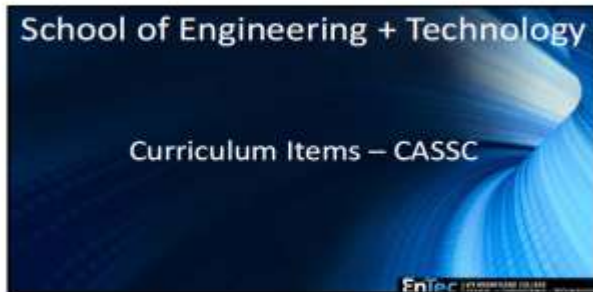
For more detailed information regarding foreign language competency, you may contact:

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Technology – New Certificate

- New College Credit Certificate
Network Server Administration – 24 Credits


Major Course Requirements – Existing Courses



Technology – Certificate Modification

- College Credit Certificate Modification
CISCO CCNA – Length 12 to 16 Credits

Major Course Requirements – Existing Courses



Technology – Course Modifications

- College Credit Certificate Course Modifications
CISCO - CCNA

CTS1650 - CCNA 1: Cisco Fundamentals
 CTS1651 - CCNA 2: Routing and Switching
 CTS2652 - CCNA 3: Advanced Routing and Switching
 CTS2653 - CCNA 4: Connecting Networks

Technology – Course Modifications

- A.S. Program Course Modifications
Computer Programming - Mobile Applications

COP2654 - iPhone Application Development
 COP2658 - iPhone Application Development 1
 COP2660 - Android Application Development 1

Technology – Course Modifications

- A.S. Program Course Modifications
Networking Services Technology

CTS2303 - Configuring Windows Servers
 CTS2306 - Administering Windows Servers
 CTS2334 - Configuring Advanced Windows Services

Technology – Course Modifications

- A.S. Program Course Modification
Internet Services Technology

CTS1800 - Introduction to Web Page Design

